

REMARKS

Applicants appreciate the Examiner's thorough consideration provided the present application. Claims 1, 3, 4 and 11-16 are now present in the application. Claims 1 and 15 have been amended. Claims 5-7, 9, 10, 17 and 18 have been cancelled in this reply. Claims 1, 11 and 15 are independent. Reconsideration of this application, as amended, is respectfully requested.

Reasons For Entry Of Amendments

As discussed in greater detail hereinafter, Applicants respectfully submit that the rejections under 35 U.S.C. § 103(a) are improper and should immediately be withdrawn. Accordingly, the finality of the Final Office Action mailed on March 9, 2006 should be withdrawn.

In addition, claims 1 and 15 are simply amended to incorporate their respective dependent claims 6 and 18. Therefore, no new issue is raised. Applicants respectfully request entry and consideration of the foregoing amendments.

Allowable Subject Matter

The Examiner has indicated that claims 11-14 are allowed. Applicants greatly appreciate the indication of allowable subject matter by the Examiner.

Claim Rejections Under 35 U.S.C. § 103

Claims 1, 3 and 5 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Thagard, U.S. Patent No. 6,356,031, in view of Frischknecht, U.S. Patent Application

Publication No. US 2004/0135268. Claim 6 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Thagard in view of Frischknecht, and further in view of Hashimoto, U.S. Patent No. 4,963,196. Claims 7 and 10 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Lee, U.S. Patent Application Publication No. US 2004/0119401, in view of Frischknecht. Claim 9 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Lee in view of Frischknecht, and further in view of Kondo, U.S. Patent No. 5,828,117. Claims 1, 3-6 and 15-18 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Minamitani, JP 409054479, in view of Frischknecht. These rejections are respectfully traversed.

In light of the foregoing amendments to the claims, Applicants respectfully submit that these rejections have been obviated and/or rendered moot. As the Examiner will note, independent claims 1 and 15 have been amended to incorporate their respective dependent claims 6 and 18.

With regard to claim 1, Thagard discloses “[a] composite multi-layered display device consists of two components: a light emitting component, and a generating component such as a solar cell. The two components are incorporated into corresponding co-extensive layers”. Despite the utilized reference provided the purposes, and the component s as the above-mentioned. Nevertheless, the cited patent teach the subject matters “the solar cell set forth in the utilized reference is an inorganic“ instead of “organic solar cell”.

In contrast, the instant application discloses all the subject matters abovementioned which Thagard does never disclose. In light of the foregoing amendments, the present application disclosed the subject matters as “ the solar cell is an organic solar cell “ instead of “an inorganic

solar cell" and the purposes refer to "minimizing volumes and weights of the electroluminescent display moduleand so forth " detailed as below.

With regard to claims 3-4 (see Figs. 6-8), Frischknecht discloses the subject matters as "an adhesion layer is deposited on an encapsulation lid to provide strong adhesion with the UV-curable adhesive in order to improve encapsulation of an organic electronic device.". In this regard , the utilized reference provided the solution "an adhesion layer as part of organic electronic device structure" and the purposes refer to "improved encapsulation of an organic electronic device."

In contrast, the instant application provides the solution as "the combination between organic electroluminescent device and solar cell" and the purposes refer to "minimizing volumes and weights of the electroluminescent display moduleand so forth " detailed as below.

With regard to claim 6, Hashimoto discloses the subject matters as "a charge generating substance and a charge transporting substance, and a protective layer covering the organic photoconductive layer blocking low-wavelength light of below 450 nm". In this regard ,the utilized reference provided the solution "a protective layer as part of organic solar cell structure " and the purposes refer to "suppressed a change in photo-current due to photo-degradation of the charge transporting substance".

In contrast, the instant application provides the solution as "the combination between organic electroluminescent device and solar cell" and the purposes refer to "minimizing volumes and weights of the electroluminescent display moduleand so forth " detailed as below.

With regard to claims 15-16, Minamitani provides the solution "disposing an electroluminescent element in the front of a solar cell element with solar cell watch ", and the

purposes refer to "To recognize time in the darkness in a driving system using a solar cell having no fear of environmental contamination".

In contrast, the instant application provides the solution as "the combination between organic electroluminescent device and solar cell" and the purposes refer to "minimizing volumes and weights of the electroluminescent display moduleand so forth " detailed as below.

In view of the above, the present application provides the advantage detailed as which :

1. The present application discloses that the display and solar cell of the invention do not combine by sharing a common negative electrode. Therefore, the invention can charge the solar cell at the same time of using the display.

2. The present application using an external loop can effectively control the charging function of the solar cell and the uses of the organic electroluminescent display.

3. The present application provides that the organic electroluminescent display and the solar cell have similar manufacturing processes in materials and structures. Thus, the cost for mass production can be lowered.

4. The present application provides the solution as the various combinations between organic electroluminescent device and solar cell and the purposes refer to "minimizing volumes and weights ".

Consequently, the combination of the references utilized by the Examiner can't be obviously reached by any one skilled in the art. The present application provides exclusive ways and unexpected result other than the cited patents to conquer over the deficiencies above-cited. Therefore, the way of the present application is far more different from the utilized references .

Accordingly, none of the references utilized by the Examiner individually or in combination teach or suggest the limitations of amended independent claims 1 and 15 or their dependent claims. Therefore, Applicants respectfully submit that independent claims 1 and 15 and their dependent claims clearly define over the teachings of the references relied on by the Examiner.

Accordingly, reconsideration and withdrawal of the rejections under 35 U.S.C. § 103 are respectfully requested.

CONCLUSION

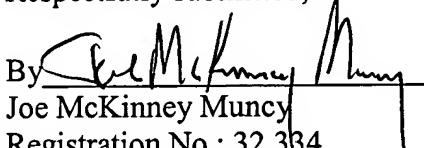
It is believed that a full and complete response has been made to the Office Action, and that as such, the Examiner is respectfully requested to send the application to Issue.

In the event there are any matters remaining in this application, the Examiner is invited to contact Joe McKinney Muncy, Registration No. 32,334 at (703) 205-8000 in the Washington, D.C. area.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§1.16 or 1.17; particularly, extension of time fees.

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Respectfully submitted,

By 
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